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| FIFTEENTH SUPPLEMENTAL            | Application Number     | 09/550,644        |
|                                   | Filing Date            | April 14, 2000    |
| INFORMATION DISCLOSURE            | First Named Inventor   | David F. Sorrells |
| STATEMENT BY APPLICANT            | Art Unit               | 2617              |
| (Use as many sheets as necessary) | Examiner Name          | Bhattacharya, Sam |
| Sheet 1 of 2                      | Attorney Docket Number | 1744.0010009      |

|                               |      |   | U.S. PATENT DO                 |  |   |
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| Examiner Cite<br>Initials No. |      | Document Number                         | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages |
| minais                        | 140. | Number-Kind Code <sup>2 (BFKnown)</sup> | MM-DD-1111                     | Applicant of Cited Document                        | or Relevant Figures Appea                         |
|                               | USI  | 7,272,164 B2                            | 09-18-2007                     | Sorrells et al.                                    |   |
|                               | US2  | 7,292,835 B2                            | 11-06-2007                     | Sorrells et al.                                    |   |
|                               | US3  | 7,295,826 B1                            | 11-13-2007                     | Cook et al.  |   |
|                               | US4  | 6,112,061                               | 08-29-2000                     | Rapeli   |   |
|                               | US5  | 6,625,470 B1                            | 09-23-2003                     | Fourtet et al.                                     |   |
|                               | US6  | 6,813,320 B1                            | 11-02-2004                     | Claxton et al.                                     |   |
|                               | US7  | 2002/0021685 A1                         | 02-21-2002                     | Sakusabe   |   |
|                               | US8  | 2003/0078011 A1                         | 04-24-2003                     | Cheng et al.                                       |   |
|                               | US9  | 7,308,242 B2                            | 12-11-2007                     | Sorrells et al.                                    |   |
|                               | US10 | 7,321,640 B2                            | 01-22-2008                     | Milne et al.                                       |   |
|                               | US11 | 7,321,735 B1                            | 01-22-2008                     | Smith et al.                                       |   |
|                               | US12 | 7,321,751 B2                            | 01-22-2008                     | Sorrells et al.                                    |   |
|                               | US13 | 2006/0002491 A1                         | 01-05-2006                     | Darabi et al.                                      |   |
|                               | US14 | 4,663,744                               | 05-05-1987                     | Russell et al.                                     |   |
|                               | US15 | 5,559,809                               | 09-24-1996                     | Jeon et al.  |   |
|                               | US16 | 6,038,265                               | 03-14-2000                     | Pan et al.   |   |
|                               | US17 | 6,876,846 B2                            | 04-05-2005                     | Tamaki et al.                                      |   |
|                               | US18 | 6,512,798 B1                            | 01-28-2003                     | Akiyama et al.                                     |   |
|                               | US19 | 6,072,996                               | 06-06-2000                     | Smith  |   |
|                               | US20 | 6.088.348                               | 07-11-2000                     | Bell, III et al.                                   |   |

|                       |             | Fo  | REIGN PATENT DO                | CUMENTS  |  |    |
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| Examiner<br>Initials* | Cite<br>No. | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns,<br>Lines, Where                    |    |
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| Examiner<br>Signature | /Sam Bhatlacharya/ | Date<br>Considered | 09/15/2008 |
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| FIETERNIA SUDDI FRENZA                        | Application Number   | 09/550,644  |
| FIFTEENTH SUPPLEMENTAL INFORMATION DISCLOSURE | Filing Date  | April 14, 2000  |
|   | First Named Inventor                                       | David F. Sorrells   |
| STATEMENT BY APPLICANT                        | Art Unit   | 2617  |
| (Use as many sheets as necessary)             | Examiner Name  | Bhattacharya, Sam   |
| Sheet 2 of 2                                  | Attorney Docket Number                                     | 1744 0010009  |

|                                |      |  | U.S. PATENT DO                 | OCUMENTS   |   |
|--------------------------------|------|--|--------------------------------|--|---|
| Examiner Cite<br>Initials No.1 |      | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages |
|                                | 110. | Number-Kind Code <sup>2 (If Known)</sup> |                                | Applicant of Cited Document                        | or Relevant Figures Appea                         |
|                                | US21 | 6,198,941 B1                             | 03-06-2001                     | Aho et al.   |   |
|                                | US22 | 6,894,988 B1                             | 05-17-2005                     | Zehavi   |   |
|                                | US23 | 7,193,965 B1                             | 03-20-2007                     | Nevo et al.  |   |
|                                | US24 | 4,688,237                                | 08-18-1987                     | Brault   |   |
|                                | US25 | 5,461,646                                | 10-24-1995                     | Anvari   |   |
|                                | US26 | 5,483,245                                | 01-09-1996                     | Ruinet   |   |
|                                | US27 | 7,197,081 B2                             | 03-27-2007                     | Saito  |   |
|                                | US28 | 7,376,410 B2                             | 05-20-2008                     | Sorrells et al.                                    |   |
|                                | US29 | 7,379,515 B2                             | 05-27-2008                     | Johnson et al.                                     |   |
|                                | US30 | 7,379,883 B2                             | 05-27-2008                     | Sorrells   |   |
|                                | US31 | 7,386,292 B2                             | 06-10-2008                     | Sorrells et al.                                    |   |
|                                | US32 | 7,389,100 B2                             | 06-17-2008                     | Sorrells et al.                                    |   |
|                                | US33 | 4,651,210                                | 03-17-1987                     | Olson  |   |
|                                | US34 | 5,659,372                                | 08-19-1997                     | Patel et al.                                       |   |
|                                | US35 | 5,512,946                                | 04-30-1996                     | Murata et al.                                      |   |
|                                | US36 | 3,809,821                                | 05-07-1974                     | Melvin   |   |
|                                | US37 | 6,275,542                                | 08-14-2001                     | Katayama et al.                                    |   |
|                                | US38 | 2006/0198474 A1                          | 09-07-2006                     | Sorrells et al.                                    |   |
|                                | US39 |  |                                |  |   |
|                                | US40 |  |                                |  |   |

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| Examiner<br>Initials* | Cite<br>No.1 | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns,<br>Lines, Where                    |                |
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| Examiner  |                    | Date       | 09/15/2008 |
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| Signature | /Sam Bhattacharya/ | Considered | 00/10/2000 |

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| Examiner  |                    | Date       | 09/15/2008 |
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